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AUG 22 2006

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TRANSMITTAL
FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/727,167
Filing Date	12/02/2003
First Named Inventor	JACK, Michael D.
Art Unit	2684
Examiner Name	Fani Polyzou Boosalis
Total Number of Pages in This Submission	7 Attorney Docket Number
	02W028

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
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<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> <small>Reply to Missing Parts under 37 CFR 1.52 or 1.53</small>		

Remarks

Responsive to Office Action mailed June 1, 2006.

Title: Improved Passive Millimeter Wave Sensor Using High Temperature Superconducting Leads

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Raytheon Company		
Signature			
Printed name	William C. Schubert		
Date	2006 - 08 - 22	Reg. No.	30,102

CERTIFICATE OF TRANSMISSION/MAILING FAX No. 571-273-8300

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	
Typed or printed name	William C. Schubert
Date	2006 - 08 - 22

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Aug 22 2006

IN THE U.S. PATENT AND TRADEMARK OFFICE

Appl. No.	:	10/727,187	RECEIVED
Applicant	:	Jack, et al.	CENTRAL FAX CENTER
Filed	:	December 2, 2003	AUG 22 2006
TC/AU	:	2884	
Examiner	:	Boosalis, Fani Polyzos	
Docket No.	:	901.0116.U1(US)	
Customer No.:		29683	
Title	:	IMPROVED PASSIVE MILLIMETER WAVE SENSOR USING HIGH TEMPERATURE SUPERCONDUCTING LEADS	

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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AMENDMENT

Sir:

In response to the non-final Office Action dated June 1st, 2006, the Applicant hereby amends the above-referenced application as follows:

Amendments to the Specification: None.

Amendments to the Drawings: None.

Amendments to the Claims: begin at page 2 of this paper.

Remarks/Arguments: begin at page 6 of this paper.

Appendix: None.

This Amendment is filed within the shortened statutory period for reply recited in the referenced Office Action, and no petition for extension of time or fee is deemed necessary or due. Should the undersigned representative be mistaken, please consider this as a petition for an extension of time necessary to effect his Amendment and charge Deposit Account No. 50-0616 for any required fee deficiency.